

An index to new species of Nematoda in *Zootaxa* from 2003 to 2006

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Abstract

From 2003 to 2006, 17 papers describing 39 new species were published in *Zootaxa* by 38 authors from 13 countries. A bibliographic analysis of these papers and a list of the new taxa of Nematoda are presented in this paper.

Key words: Nematoda, bibliography, index, taxonomy, literature

Introduction

Since its inception in 2001, *Zootaxa* has established itself as an important journal for publishing new taxa of the world's undescribed animals. From then to the end of 2006, 2,388 papers in 52,920 pages were published. The first description of a new species of Nematoda in the journal was in 2003 (Pastor de Ward 2003). To summarise the achievements in Nematology in *Zootaxa*, I provide a bibliographic analysis of nematological papers published in *Zootaxa* from 2003 to 2006 and a list of the new taxa described in those papers.

Nematode papers published in *Zootaxa*, 2003–2006

During 2003 to 2006, 17 papers were published in *Zootaxa*: 1 (12 pages) in 2003, 4 (57 pages) in 2004, 5 (70 pages) in 2005 and 7 (153 pages) in 2006. Thirty-nine new species were reported from 11 countries: Argentina, Australia, Brazil, China, Italy, Mexico, Papua New Guinea, Singapore, Spain, Russia, and the United States.

Papers ranged in length from 8 to 82 pages, with an average of 17.24, which is shorter than the average length (22.16) of papers in *Zootaxa*. There were 3 papers of less than 10 pages, 9 papers of 10–19 pages (the majority; Fig. 1), and 3 papers of 20–29 pages. The only monograph was of 82 pages.

Authors publishing with *Zootaxa*, 2003–2006

The 17 published papers were contributed by 38 authors from 13 countries (number of authors are shown in parentheses): Argentina (1), Australia (6), Brazil (6), China (6), Czech Republic (1), Germany (2), Italy (1), Japan (1), Mexico (2), Spain (3), Russia (3), the United Kingdom (1), and the United States (5).

The author of the monograph was D. M. Spratt. (Australia).

Six authors published two papers: Pastor de Ward (Argentina), Martínez-Salazar, León-Règagnon (Mexico), Tchesunov (Russia), Braasch (Germany), and Fonseca-Genevois (Brazil).

The nationalities of authors who had published one paper are: Australia: Davies, Nobbs, Riley, Smales, Zhao;

Brazil: Bezerra, Castro, Lage, Silva, Venekey; Czech Republic: Mráček; Germany: Burgermeister; Italy: Trigiani; Japan: Kanzaki; P.R. China: Fang, Gu, Pang, Qiu, Zhang, Zhou; Russia: Miljutina, Mokievshy; Spain: Brto, Nunez, Riera; UK: Reid; USA: Center, Giblin-Davis, Nguyen, Thomas, Ye.

Of the 17 papers, 5 papers (29.4%) were published by a single author, 4 (23.5%) by 2 authors, and 8 (47.1%) by more than two authors. This indicates the collaborative nature of nematode taxonomy.

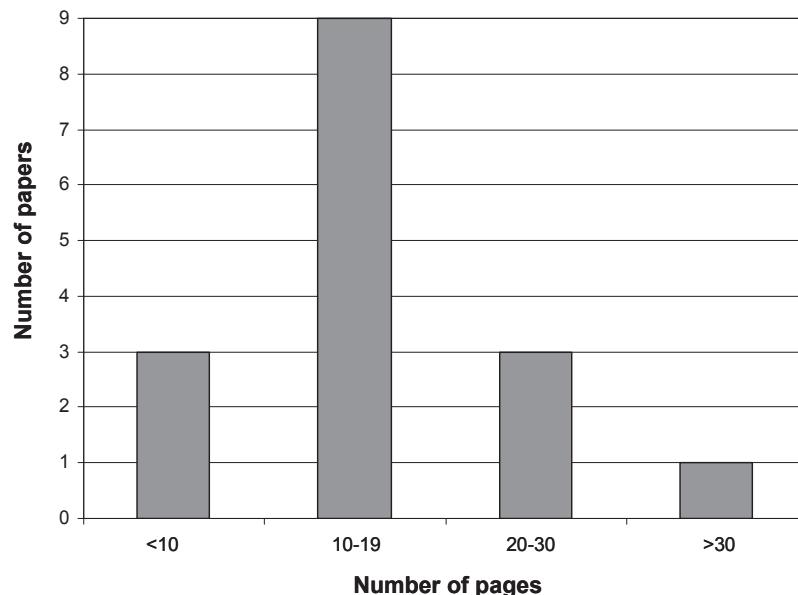


FIGURE 1. Number of papers describing new taxa of Nematoda and page length published in *Zootaxa*.

New taxa of Nematoda published in *Zootaxa*, 2003–2006

No new nematode genera or families were described in *Zootaxa*. However, during 2003–2006, 39 new nematode species were described in *Zootaxa* by 38 authors from 13 countries, with the number of new species increasing rapidly from 2 in 2003 to 21 in 2006 (Fig. 2).

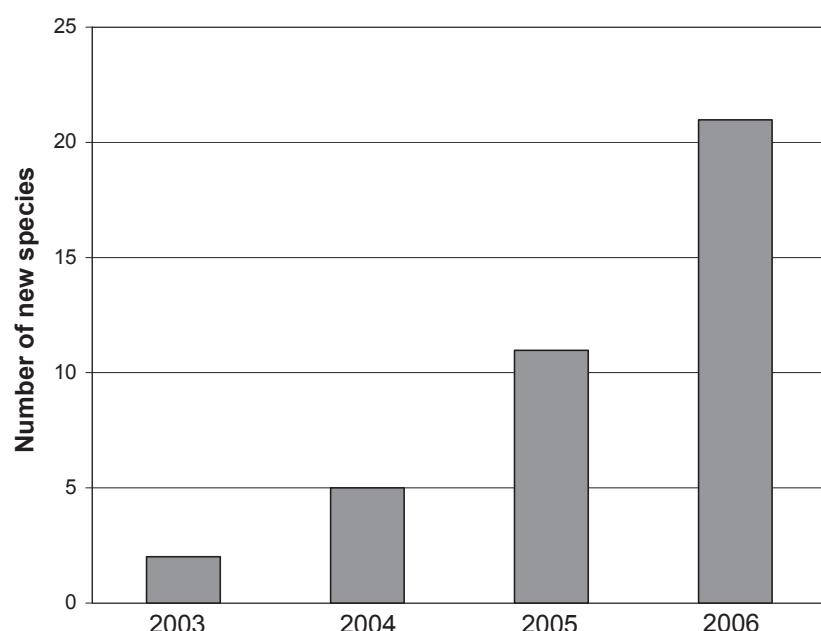


FIGURE 2. Number of new species of Nematoda published in *Zootaxa* from 2003 to 2006.

Index to new species of Nematoda in *Zootaxa*, 2003–2006

Species are listed in alphabetical order and each includes the following information: scientific name, authority, year of publication, page number (country) and family.

- Amphimonhystralla bullacauda* Tchesunov & Miljutina, 2005: 22 (Russia)...XYALIDAE.
Amphimonhystra marisalbi Tchesunov & Mokievsky, 2005: 9 (Russia)...XYALIDAE.
Amphimonhystra molloyensis Tchesunov & Mokievsky, 2005: 12 (Russia)...XYALIDAE.
Amphimonhystra pallida Tchesunov & Mokievsky, 2005: 16 (Russia)...XYALIDAE.
Baruscapillaria conspecta Spratt, 2006: 59 (Australia)...CAPILLARIIDAE.
Bursaphelenchus gerberae Giblin-Davis, Kanzaki, Ye, Center & Thomas, 2006: 41 (USA)...PARASITIAPH-
ELENCHIDAE.
Bursaphelenchus lini Braasch, 2004: 3 (China)...PARASITIAPH-ELENCHIDAE.
Bursaphelenchus singaporenensis Gu, Zhang, Braasch & Burgermeister, 2005: 3 (Singapore)...PARASITIAPH-
ELENCHIDAE.
Capillaria ornamentata Spratt, 2006: 65 (Australia)...CAPILLARIIDAE.
Draconema brasiliensis Venekey, Lage & Fonseca-Genevois, 2005: 54 (Brazil)...DRACONEMATIDAE.
Draconema fluminensis Venekey, Lage & Fonseca-Genevois, 2005: 58 (Brazil)...DRACONEMATIDAE.
Eucoleus breviductus Spratt, 2006: 18 (Australia)...CAPILLARIIDAE.
Eucoleus buckenbourensis Spratt, 2006: 24 (Australia)...CAPILLARIIDAE.
Eucoleus fluvidus Spratt, 2006: 27 (Australia)...CAPILLARIIDAE.
Eucoleus longiductus Spratt, 2006: 30 (Australia)...CAPILLARIIDAE.
Eucoleus parvulus Spratt, 2006: 35 (Australia)...CAPILLARIIDAE.
Eucoleus perplexus Spratt, 2006: 39 (Australia)...CAPILLARIIDAE.
Eucoleus plumosus Spratt, 2006: 42 (Australia)...CAPILLARIIDAE.
Eucoleus posterus Spratt, 2006: 46 (Australia)...CAPILLARIIDAE.
Eucoleus pseudoplumosus Spratt, 2006: 49 (Australia)...CAPILLARIIDAE.
Eucoleus sp.1 Spratt, 2006: 53 (Australia)...CAPILLARIIDAE.
Eucoleus sp.2 Spratt, 2006: 55 (Australia)...CAPILLARIIDAE.
Eucoleus sp.3 Spratt, 2006: 56 (Australia)...CAPILLARIIDAE.
Entomelas campbelli Martínez-Salazar & León-Règagnon, 2005: 3 (Mexico)...RHABDIASIDAE.
Entomelas floresvillei Martínez-salazar & León-Règagnon, 2005: 6 (Mexico)...RHABDIASIDAE.
Hopperia patagonica Pastor de Ward, 2004: 4 (Argentina)...COMESOMATIDAE.
Laimaphelenchus australis Zhao, Davies, Riley & Nobbs, 2006: 37 (Australia)...APHELENCHOIDIDAE.
Metachromadora zaixsi Pastor de Ward, 2004: 9 (Argentina)...DESMODORIDAE.
Paracomesoma sigmoidalis Riera, Nunez & Brto, 2006: 55 (Spain)...MESOMATIDAE.
Rhabdias lamothei Martinez-Salazar & León-Règagnon, 2006: 29 (Mexico)... HABDIASIDAE.
Sabatieria flecha Pastor de Ward, 2003: 5 (Argentina)...OMESOMATIDAE.
Sabatieria sanjosensis Pastor de Ward, 2003: 8 (Argentina)...OMESOMATIDAE.
Steinernema apuliae Triggiani, Mráček & Reid, 2004: 3 (Italy)...STEINERNEMATIDAE.
Steinernema guangdongense Qiu, Fang, Zhou, Pang & Nguyen, 2004: 4 (China)...STEINERNEMATIDAE.
Spirinia elongate Castro, Bezerra, Silva & Fonseca-Genevois, 2006: 60 (Brazil)... DESMODORIDAE.
Setosabatieria triangularis Riera, Nunez & Brto, 2006: 58 (Spain)...OMESOMATIDAE.
Tikusnema intersedis Smales, 2006: 31 (Papua New Guinea)...ACUARRIIDAE.
Thalassomonhystra oxycephalata Tchesunov & Miljutina, 2005: 26 (Russia)...MONHYSTERIDAE.
Thalassomonhystra molloyensis Tchesunov & Miljutina, 2005: 29 (Russia)...MONHYSTERIDAE.

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